



Delayed Deck Engagement

Product: Groundsmaster 4500 & 4700-D

May 7, 2008

Affected Units:

Models:

Serial Numbers:

30856

230000101 – 260000526

30868

230000101 – 260000279

Situation:

Equipment operators may report an abnormally long delay in the engagement of the cutting decks on 2003 and newer GM 4500 and 4700-D units. This delay can extend engagement of the decks for 30 seconds or more, and may be intermittent. Normal deck engagement time is approximately 1.5 to 3 seconds.

The cause for the delay may be an internal malfunction inside the Standard Control Module (SCM). If the SCM is identified to be the source of the problem, a replacement SCM along with a PTO Converter Harness will be required to correct the issue.

Diagnostic Information:

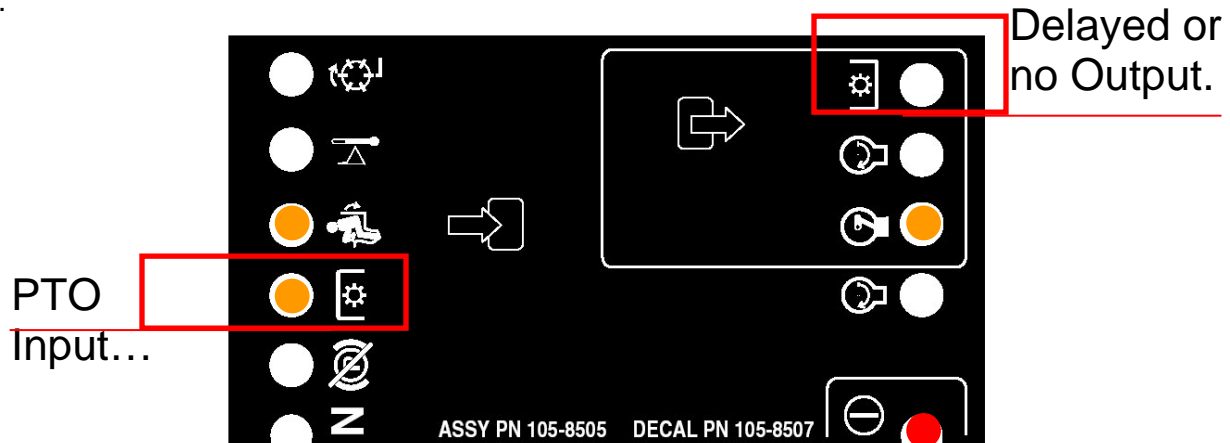
Remove the Operator's Console Cover on the right side of the machine. While sitting in the seat, turn the key to the On position, but do not start engine. Turn on the PTO Switch and observe the LED Lights on the Standard Control Module (SCM). The PTO Input light will illuminate (on the SCM) but the PTO Output light does not light (or the Ramp-Up Module) for up to 30 seconds or more. Review the machine Operators Manual and the picture below for additional details.

Repair Instructions:

A replacement SCM (106-9277) and a PTO Converter Harness (110-8839) are required. The SCM is faulty and the Converter Harness will help keep the problem from reoccurring.

Special Note:

A PTO Converter Harness can be installed on a properly operating unit. Installation of this harness will ensure the delayed engagement issue does not occur. For additional information regarding this bulletin, contact your local authorized Toro Commercial Products Distributor.





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Installation Instructions for PTO Converter Harness (110-8839)

For models 30856, serials 230000101~260000526 & 30868, serials 230000101~260000279

1. Move machine to level surface. Lower cutting units to the ground, stop engine and remove Key.
2. Remove the Operators Console Cover on the right side of unit.
3. Locate the PTO Switch. Disconnect the wire harness connector at the underside of the switch (pic.1). Pull connector outwards to access wires.
Note: 4 wires on PTO Switch connector. They are blue, pink, orange & brown.
4. Cut the blue wire at the PTO Switch connector. Once cut, re-install the Switch connector onto the PTO Switch (pic.2).
5. Hold loose blue wire and strip back approx. ¼" of wire insulation. Insert the stripped blue wire end into the crimp connector of the Converter Harness. Use suitable pliers to crimp (pic 3).
6. Unplug the male 5 wire connector from the SCM Module. Plug into the female Converter Harness connector.
7. Plug the male connector of the Converter Harness into the SCM (pic 4).
8. Sit in seat, start unit and engage PTO to ensure proper operation. Reinstall Console Cover.

